

Chapter 1 – India Location

EXERCISES

1. Choose the right answer from the four alternatives given below:

Question 1(i).

Which one of the following latitudinal extent is relevant for the extent of India's area?

- (a) $8^{\circ}41'N - 35^{\circ}7' N$
- (b) $8^{\circ}4'N - 37^{\circ}6' N$
- (c) $8^{\circ}4'N - 35^{\circ}6' N$
- (d) $6^{\circ}45'N - 37^{\circ}6' N$.

Answer:

- (b) $8^{\circ}4'N - 37^{\circ}6' N$

Question 1(ii).

Which one of the following countries shares the longest land frontier with India?

- (a) Bangladesh
- (b) China
- (c) Pakistan
- (d) Myanmar.

Answer:

- (a) Bangladesh

Question 1(iii).

Which one of the following countries is larger in area than India?

- (a) China
- (b) Egypt
- (c) France
- (d) Iran.

Answer:

- (a) China

Question 1(iv).

Which one of the following longitudes is the standard meridian for India?

- (a) $69^{\circ}30' E$

- (b) $82^{\circ}30'$ E
- (c) $75^{\circ}30'$ E
- (d) $90^{\circ}30'$ E.

Answer:

(b) $82^{\circ}30'$ E.

2. Answer the following questions in about 30 words.

Question 2(i).

Does India need to have more than one standard time? If yes, why do you think so?

Answer:

Yes, I think India needs to have more than one standard time.

- There is time variation of 2 hours between Easternmost and the Westernmost parts of our country. The sun rises two hours earlier in Arunachal Pradesh as compared to Gujarat.
- This is because the earth is tilted and also it rotates in east to west direction. So, while rotation, the Eastern parts of the world experiences the sun rays earlier as compared to the western parts of the world.
- Many countries like USA, Canada and Russia have more than one standard time because their longitudinal extent is large. India's longitudinal extent is also 30° approximately. Therefore, it is advisable to use more than one standard time.

Question 2(ii).

What are the implications of India having a long coastline?

Answer:

The total length of Coastline is 7,516.6 km.

- India is a southward extension of the Asian continent. The trans Indian Ocean routes which connect the countries of Europe in the west and the countries of East Asia provide a strategic central location to India.
- The Deccan Peninsular protrudes into the Indian Ocean, thus helping India to establish close contact with west Asia, Africa and Europe from the Western coast and with Southeast Asia and East Asia from the Eastern coast.

- No other country has a long coastline on the Indian Ocean as India has and indeed, it is India's eminent position in the Indian Ocean which justifies the naming of an Ocean after it.

Question 2(iii).

How is the latitudinal spread of India advantageous to her?

Answer:

There are three major advantages of latitudinal extent-

1. Tropic of cancer ($23\frac{1}{2}^{\circ}$) – It divides India into 2 parts. Southern part is in the tropical zone while northern part is in the temperate zone. Therefore biodiversity in India is exceptional.
2. It also brings climatic diversity in India which has many advantages.
3. As we move from Kanyakumari to Jammu and Kashmir duration of day and night decreases by more than $4\frac{1}{2}$ hours.
4. We have places of all climates. It makes India a subcontinent.

Question 2(iv).

While the sun rises earlier in the east, say Nagaland and also sets earlier, how do the watches at Kohima and New Delhi show the same time?

Answer:

While the sun rises earlier in the east, say Nagaland and also sets earlier but the watches at Kohima and New Delhi show the same time because India follows one standard time all over its land. It is time shown at standard meridian of India. There is a general understanding among the countries of the world to select the Standard Meridian in multiples of $7^{\circ} 30'$ of longitude. Hence, $82^{\circ}30' E$ is chosen as the Standard Meridian of India and the time along the Standard Meridian of India passing through Mirzapur is taken as the Standard Time for the whole country.

PROJECT/ACTIVITY

Activity based on Appendix I.

1. On a graph paper, plot the number of districts in Madhya Pradesh, Karnataka, Meghalaya, Goa, Kerala, Haryana. Do the number of districts have some relationship with the area of the state?

2. Which state amongst Uttar Pradesh, West Bengal, Gujarat, Arunachal Pradesh, Tamil Nadu, Tripura, Rajasthan and Jammu and Kashmir is the most thickly populated and which one is the least densely populated?
3. Find out the relationship between the area of the state and the number of districts.
4. Identify the states with coastal boundaries.
5. Arrange the states from west to east which have only land boundary.

Answer:

Attempt yourself.

Activity based on Appendix II.

1. List the Union Territories which have coastal location.
2. How do you explain the variation in the area and population of NCT Delhi and the Andaman and Nicobar Islands?
3. On a graph paper, draw a bar diagram to show the area and population of all the Union Territories.

Answer:

Attempt yourself.